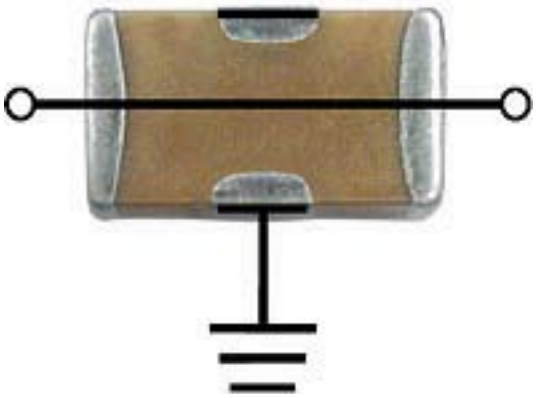
Multilayer Ceramic Feedthru Chip Capacitors



Today EMI Feedthru Filter Capacitors provide one of the most advantageous EMI filtering characteristics compared to some high cost/bigger size, complex design alternatives.

Although SMT Feedthru Capacitors use the same production technology and ceramic materials as standard MLCC, because of its unique design, Feedthru Capacitors provide more stable filtering results in wider radio frequency range.

Applications

Filtering

- Digital signal to RF interface
- RF amplifier gain filtering

Decoupling

- High frequency control line and signal
- High frequency clock and data
- High frequency power line

Advantages

- Lower ESR compared to standard MLCC
- Surface mountable non-polar
- RoHS Compliant (100% Tin over Nickel Termination)
- Tin/Lead Termination option available
- PolyTerm® available on 1206 size.
- Available in two dielectrics (X7R & NPO)
- Capacitance ranges from 22 pF to 47 nF

How to Order

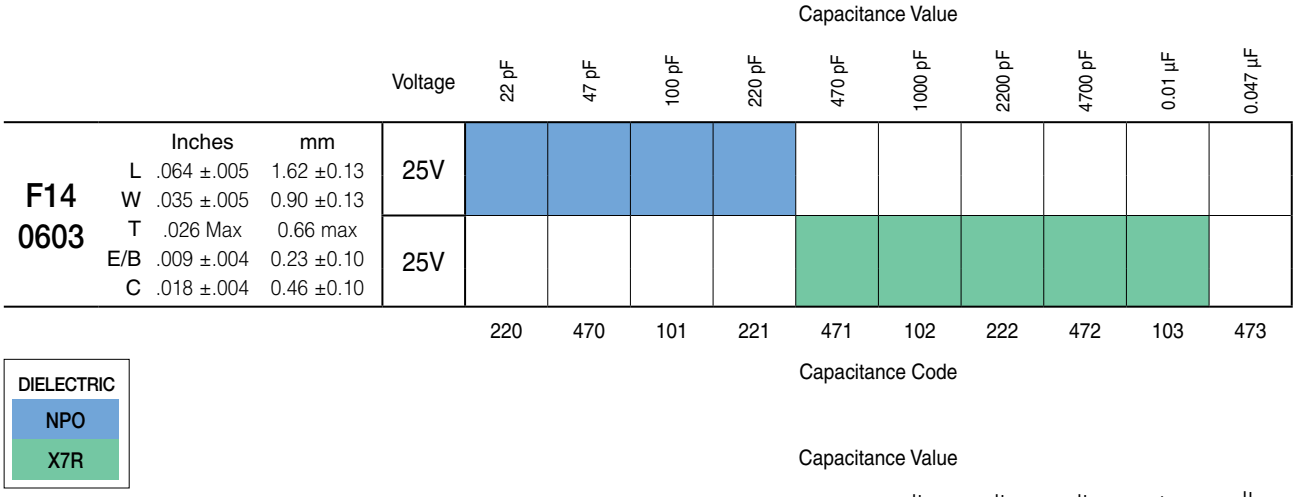
500	F15	W	102	K	V	4	T
VOLTAGE 250 = 25 V 500 = 50 V 101 = 100 V	**CASE SIZE** F14 = 0603 F15 = 0805 F18 = 1206	**DIELECTRIC** N = NPO W = X7R	**CAPACITANCE** 1st two digits are significant; third digit denotes number of zeros 220 = 22 pF 101 = 100 pF 102 = 0.001 µF	**TOLERANCE** J = ± 5% K = ± 10% M = ± 20%	**TERMINATION** V = Ni barrier w/ 100% Sn Plating T = Tin/Lead (Minimum 5% Pb) F = PolyTerm® (F18 size, End Termination only)	**MARKING** 4 = Unmarked 6 = EIA "J" Code	**TAPE MODIFIER** Code Type Reel U Embossed 13" R Punched 13" E Embossed 7" T Embossed 7" None = Bulk Packaging Tape specifications conform to EIA RS481

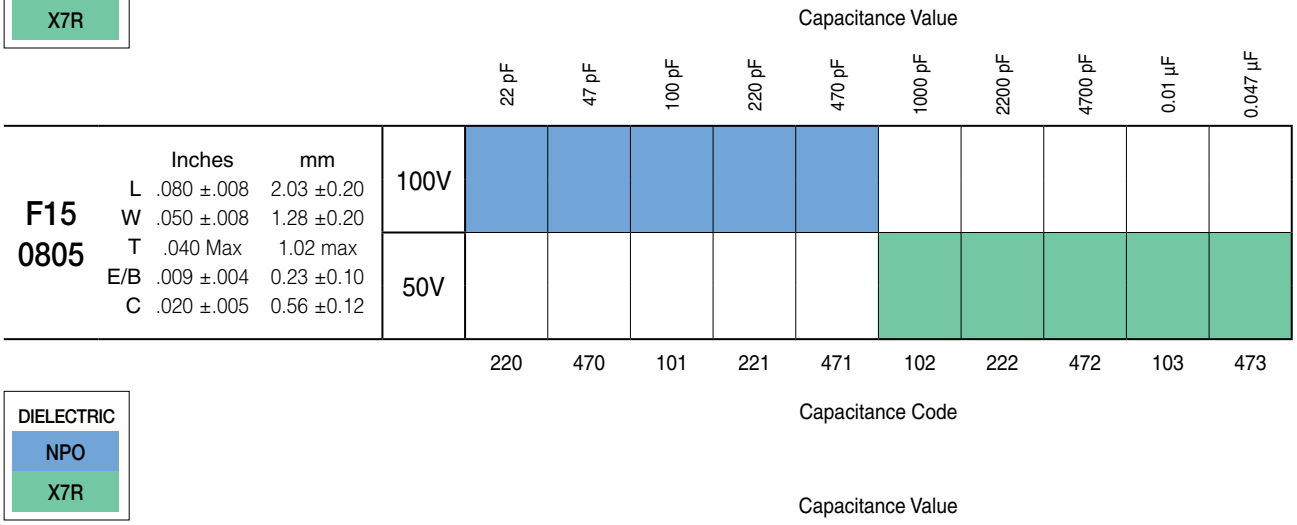
P/N written: 500F15W102KV4T

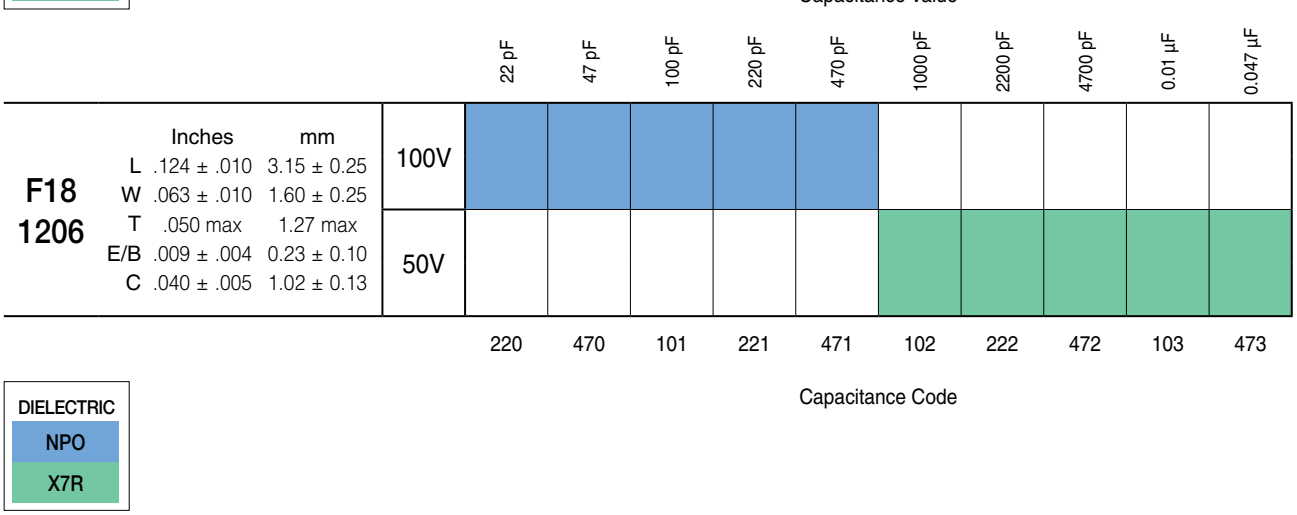
NOTE: Not all combinations of Johanson Dielectrics part numbers are valid. Please refer to the appropriate "Capacitance and Voltage Range" section for a particular product or contact your Sales Representative if you need assistance.

15191 Bledsoe Street, Sylmar, California 91342 • (818) 364-9800• FAX (818) 364-6100

Feedthru Capacitors: Capacitance and Voltage Range







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